

LATITUDE 39°17'30"

4,410'

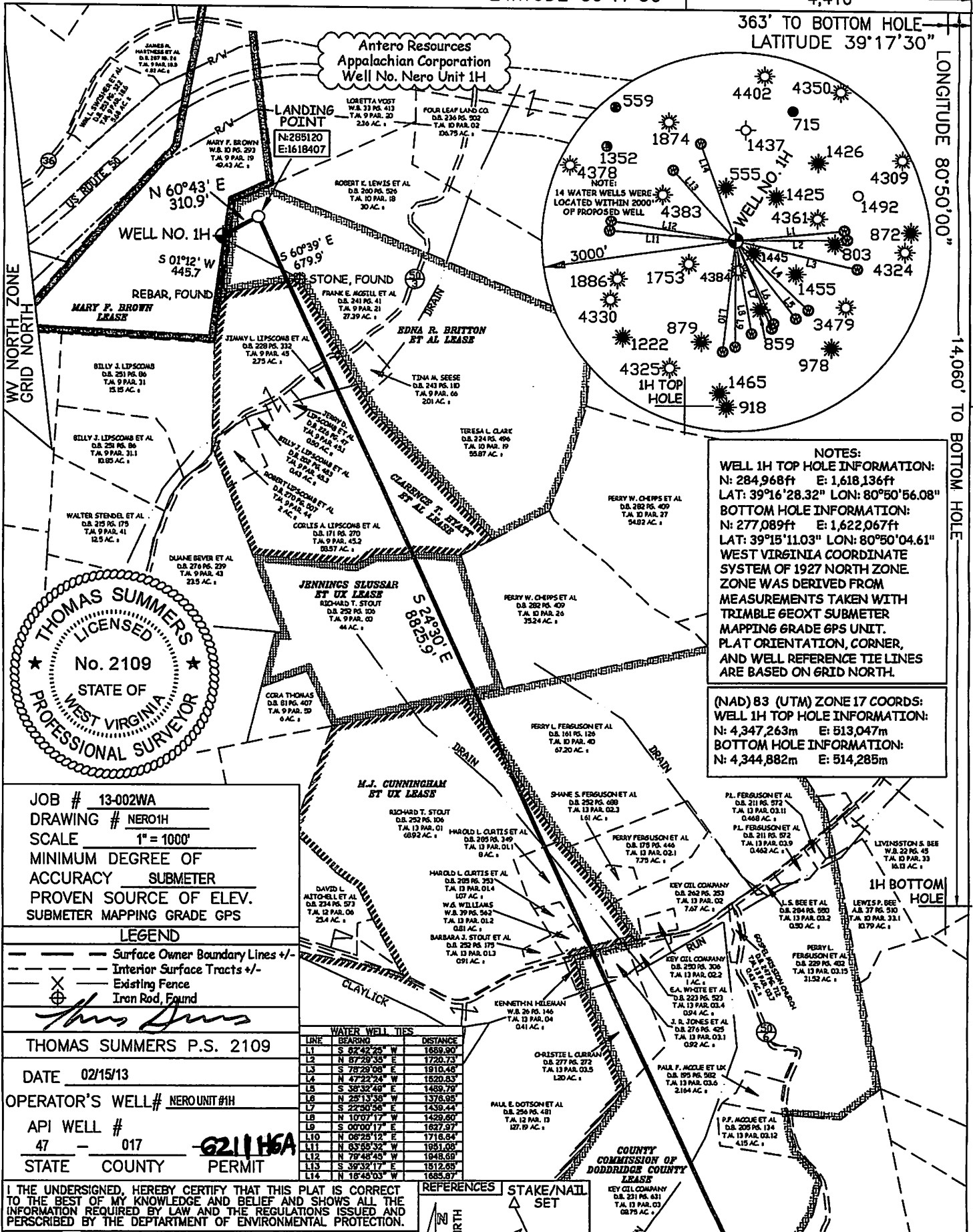
363' TO BOTTOM HOLE  
LATITUDE 39°17'30"

LONGITUDE 80°50'00"

6,241'

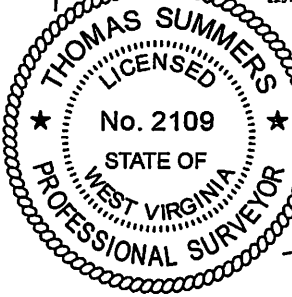
14,060' TO BOTTOM HOLE

LONGITUDE 80°50'00"



**NOTES:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 284,968ft E: 1,618,136ft  
 LAT: 39°16'28.32" LON: 80°50'56.08"  
**BOTTOM HOLE INFORMATION:**  
 N: 277,089ft E: 1,622,067ft  
 LAT: 39°15'11.03" LON: 80°50'04.61"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 6EOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

**(NAD) 83 (UTM) ZONE 17 COORDS:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 4,347,263m E: 513,047m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,344,882m E: 514,285m



JOB # 13-002WA  
 DRAWING # NERO1H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

**LEGEND**  
 --- Surface Owner Boundary Lines +/-  
 --- Interior Surface Tracts +/-  
 X Existing Fence  
 Iron Rod, Found

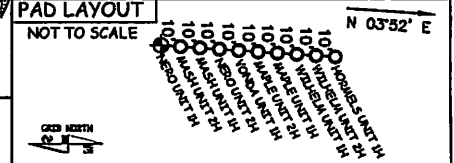
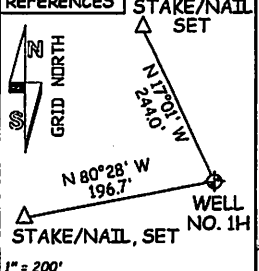
THOMAS SUMMERS P.S. 2109  
 DATE 02/15/13  
 OPERATOR'S WELL # NEROUNIT#1H  
 API WELL # 47 - 017 - 6211 H6A  
 STATE COUNTY PERMIT

LINE	BEARING	DISTANCE
L1	S 82°42'26" W	1659.90
L2	N 67°29'35" E	1720.73
L3	S 78°29'08" E	1910.46
L4	N 47°22'24" W	1620.83
L5	S 38°32'48" E	1489.79
L6	N 25°13'36" W	1376.95
L7	S 22°50'56" E	1439.44
L8	N 10°07'17" W	1429.80
L9	S 08°00'17" E	1627.07
L10	N 08°28'12" E	1716.84
L11	N 63°58'32" W	1951.08
L12	N 79°48'45" W	1948.69
L13	S 39°32'17" E	1812.69
L14	N 18°48'03" W	1655.97

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



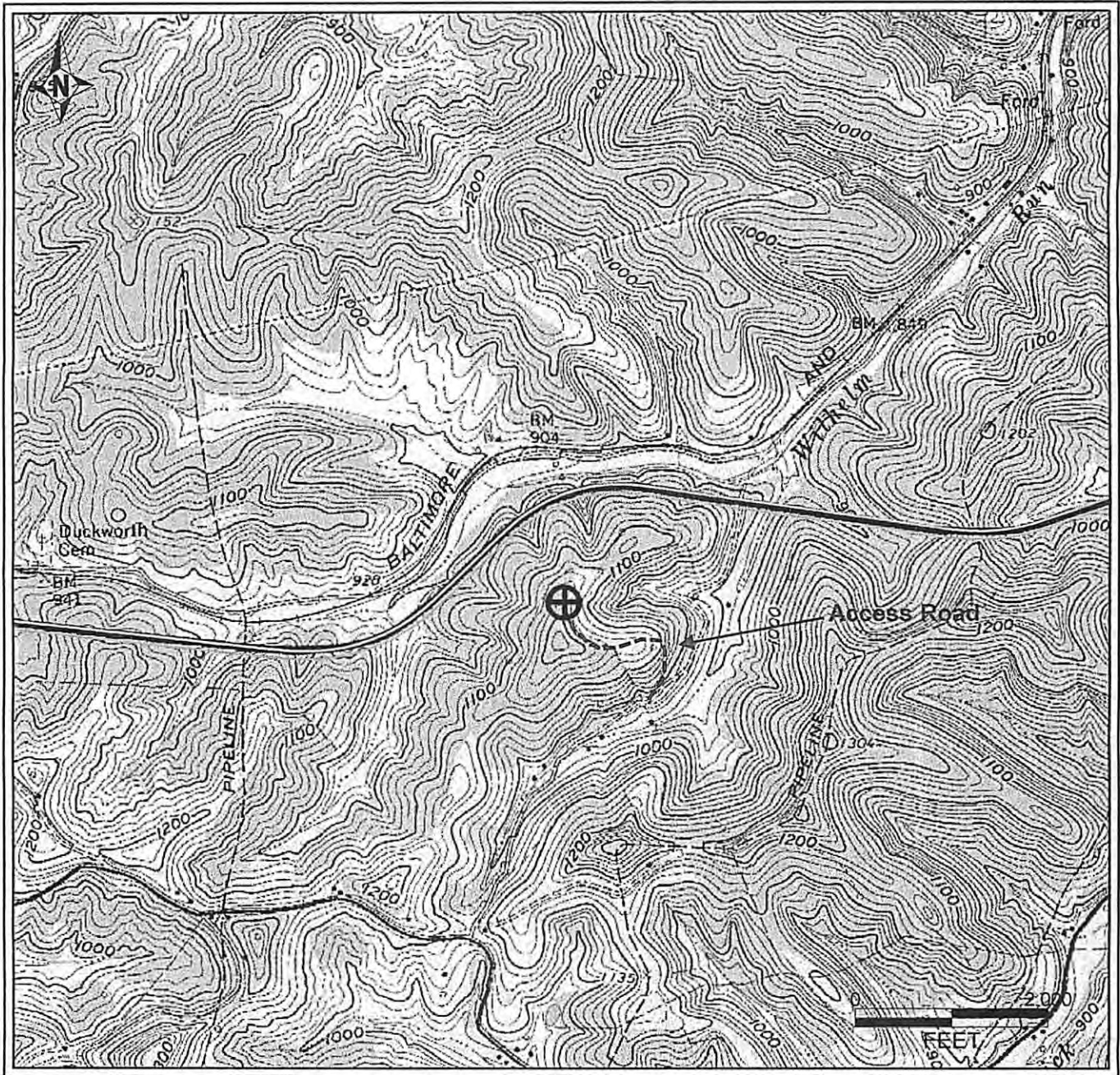
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE  DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1,164' WATERSHED TRIBUTARY OF WILHELM RUN  
 QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER MARY F. BROWN ACREAGE 49.43 ACRES +/-  
 OIL & GAS ROYALTY OWNER MARY F. BROWN; EDNA R. BRITTON ET AL; CLARENCE T. HYATT ET AL; LEASE ACREAGE 55.65 AC +/-; 95 AC +/-; 65 AC +/-  
 JENNINGS SLUSSAR ET UX; COUNTY COMMISSION OF DODDRIDGE COUNTY; M.J. CUNNINGHAM ET UX 44 AC +/-; 237 AC +/-; 228 AC +/-  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_  
 TARGET FORMATION MARCELLUS PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 ESTIMATED DEPTH 7,000' TVD 16,500' MD  
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

03/29/2013

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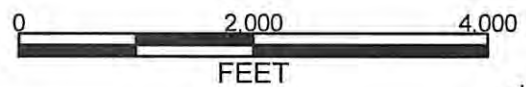


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### Antero Resources Corporation

APPALACHIAN BASIN

Nero Unit 1H  
Doddridge County



REMARKS

QUADRANGLE: WEST UNION  
WATERSHED: TRIB. OF WILHELM RUN  
DISTRICT: CENTRAL

Date: 11/29/2012

17-06211 H6A                      NERO UNIT 1H  
ANTERO RESOURCES CORP

PAD NAME:   McGILL  
FARM NAME: BROWN, MARY F.

Received  
Office of Oil & Gas  
FEB 10 2013

03/29/2013